

**DART**

DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9314	REV. A SHEET 1 OF 3
DATE 05.11.11		TITLE BRACKET MODIFICATION KIT	SCALE NTS
A	05.11.11	NEW ISSUE	

## DART SERVICE INSTRUCTION

TO AMEND IIN-D412-694 REV. B

REF. CANADIAN STC: SH05-10

REF. FAA STC: SR02086NY

For the D412-694-01/-02 Door Assembly, if the travel of the D3110-5 Handle Assembly interferes with the D3133-041/-042 Rod Weldment or nutplate on the D3162-041 Bracket Assembly, it is acceptable to install the DSI 9314-011 Kit to correct this problem. The DSI 9314-011 Kit may be installed on D412-694-01/-02 Door Assemblies at CHG003 or earlier change numbers. This modification should be performed per the procedure below and figures 1 & 2 of this document.

**CUSTOMERS WITH EARLY MODEL D412-694-011 KITS CAN PROCURE THE DSI 9314-011 KIT FROM DART TO DO THIS MODIFICATION.**

-Qty	Part Number	Description
X	DSI 9314-011	BRACKET MODIFICATION KIT
4	D3162-043	BRACKET ASSEMBLY
4	D3162-044	BRACKET ASSEMBLY
1	D3163-041	COVER ASSEMBLY
1	D3163-042	COVER ASSEMBLY
30	BSP45	RIVET
8	M7885/2-4-3	RIVET
8	MS20426AD4-7	RIVET

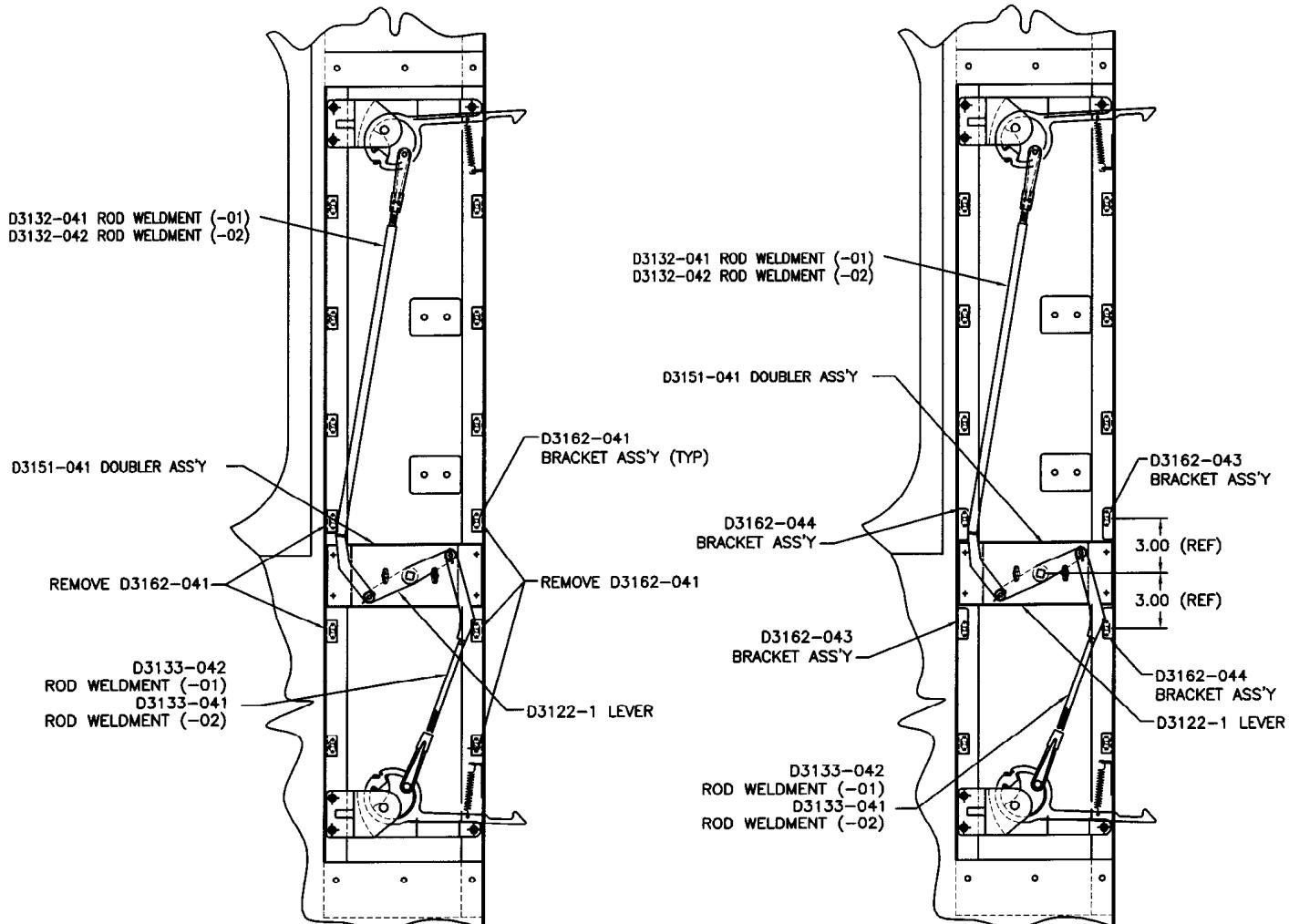
CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
<b>APPROVED</b>  BY: _____	
D. SHEPHERD (DE # 02)	
DATE: 05.11.11	
CERT. NO.: SH05-10	
ISSUE NO.: 1	

**PROCEDURE:**

- 1) From the D412-694-01/-02 Door Ass'y, remove D3163-041/-042 Cover Assembly and enough of the rivets securing the D3144-3 Doubler (-01 Door Ass'y) or D3144-123 Doubler (-02 Door Ass'y) so that the rivets attaching the D3162-041 Brackets can be accessed (see Figure 2).
- 2) Remove D3162-041 Bracket Assembly in 4 places as shown in Figure 1.
- 3) Transfer holes from the existing D3163-041/-042 Cover Assembly to the replacement cover assembly except do not transfer the 4 holes used to secure the D3162-041 Bracket in step 2 of this service instruction.
- 4) Locate holes in D3163-041/-042 as shown in Figure 2 to help properly locate D3162-043/-044 as shown in Figure 1. Transfer drill the 2 existing #30 diameter holes (used to fasten the removed D3162-041) from the door to each D3162-043/-044 Bracket Ass'y as shown in Figure 1. Touch up with Alodine per MIL-C-5541 and match original finish.
- 5) Install D3162-043/-044 Bracket Assembly as shown in Figure 1. If necessary fill any holes remaining that would be visible from the exterior of the door with Hysol EA934NA or equivalent. Touch up with Grey Primer 1144-S or equivalent and match original finish.
- 6) Re-install D3144-123/D3144-3 Doubler using BSP45 rivets.
- 7) Transfer D3139-1/-3/-4 Guard, D3135-041 Handle Weldment & D3110-5 Handle Ass'y and hardware from existing cover to the new D3163-041/-042 Cover Assembly per IIN-D412-694.
- 8) Re-install D3163-041/-042 Cover Assembly per IIN-D412-694.

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DATE 05.11.11	TITLE BRACKET MODIFICATION KIT	SCALE NTS	



VIEW P  
BEFORE MODIFICATION  
D3163-041/-042 COVER NOT  
SHOWN FOR CLARITY

VIEW P  
AFTER MODIFICATION  
D3163-041/-042 COVER NOT  
SHOWN FOR CLARITY

FIGURE 1

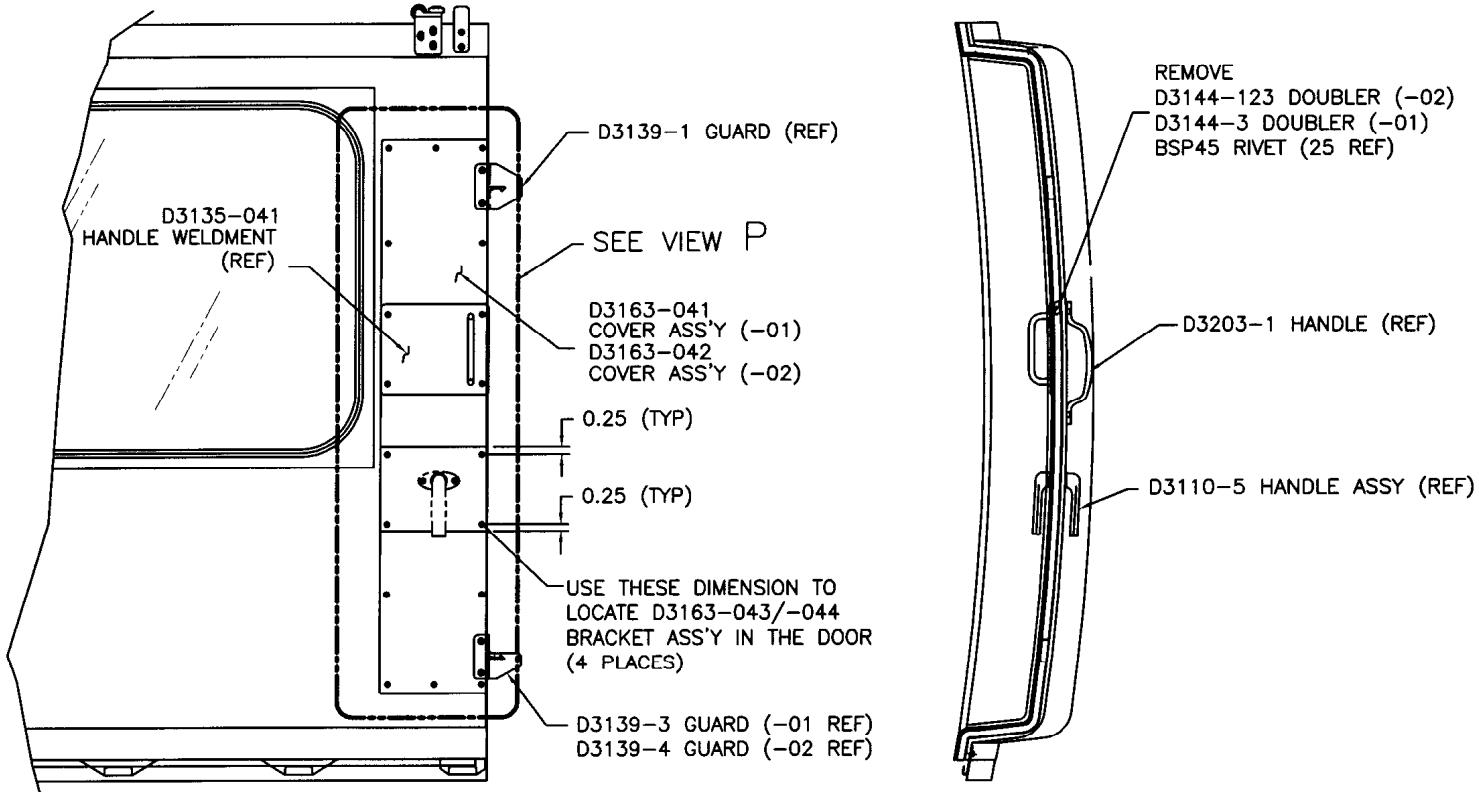
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D412-694-01 DOOR ASSY (SHOWN)D412-694-02 DOOR ASSY (OPP.)

VIEW LOOKING INSIDE OF DOOR

FIGURE 2

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**BY:   
D. SHEPHERD (DE # 02)DATE: 05.11.11  
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